GILA RIVER BASIN

09448500 GILA RIVER AT HEAD OF SAFFORD VALLEY, NEAR SOLOMON, AZ

LOCATION.—Lat 32° 52'06", long 109° 30'38", in SE_{1/4}NE_{1/4} sec. 31, T.6 S., R.28 E., Graham County, Hydrologic Unit 15040005, on left bank 0.6 mi downstream from intake of Brown Canal, 8 mi northeast of Solomon, and 17 mi downstream from San Francisco River. Records include flow of Brown Canal, which is measured 2,000 ft downstream from intake

DRAINAGE AREA.--7,896 mi².

PERIOD OF RECORD. --Apr. 1914 to current year. Monthly discharge only for some periods, published in WSP 1313. Prior to Oct. 1932 and Oct. 1940 to Sept. 1949 published as "near Solomonsville" and Oct. 1932 to Oct. 1933 and May 1935 to Sept. 1940 as "below Bonita Creek near Solomonsville."

REVISED RECORDS.--WSP 1059: 1914, 1916–17, 1923(M), 1924–25, 1927, 1929–31(M). WSP 1179: 1915, 1918–19(M). WSP 1313: 1934. WSP 1733: 1923.

Time

1500

GAGE.—Water-stage recorder. Datum of gage is 3,059.92 ft above sea level. Prior to July 8, 1980, at datum 4.96 ft higher. See WSP 1733 for history of changes prior to Jun. 1, 1941. Supplementary water-stage recorder and Parshall flume on Brown Canal.

REMARKS.—Records good, except estimated daily discharges, which are poor. Records show water reaching head of Safford Valley and include water diverted to Brown Canal. Diversions above station for mining, municipal use, and for irrigation of about 17,500 acres, much of it by pumping from ground water.

COOPERATION.--Record for Brown Canal furnished by Gila Water Commissioner.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 132,000 ft³/s Oct. 2, 1983, gage height, 20.8 ft, from rating curve extended above 52,000 ft³/s on basis of slope-area measurements at 14.40 ft and 20.8 ft; minimum, 11 ft³/s June 25, 1956.

Discharge (ft³/s)

*4.740

Gage height (ft)

*10.76

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and (or) maximum (*):

Date

Sept. 12.....

			;	Sept. 12		1500		*4,740	*10.76			
Minim	num dailv d	lischarge, 30	ft ³ /s June 26.									
	iaiii aaii, a											
			DISCHARGE	, CUBIC	FEET PER		WATER Y Y MEAN VA	EAR OCTOBER ALUES	2001 TO	SEPTEMBER	2002	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	99	139	167	168	141	113	77	49	31	143	78
2	84	99	139	167	168	138	112	75	48	31	122	83
3	83	101	139	167	170	138	111	75	47	32	127	92
4	84	102	139	168	172	138	107	74	46	32	471	91
5	86	102	140	170	175	136	106	71	45	33	325	85
6	90	106	139	171	177	135	107	70	45	34	259	82
7	92	107	138	171	178	135	108	69	49	31	589	78
8	89	108	140	172	177	135	106	68	47	31	291	77
9	90	107	139	171	177	133	105	67	46	32	216	84
10	90	111	140	171	175	131	102	66	43	34	208	84
11	87	114	143	171	176	128	99	64	42	36	223	982
12	85	116	148	170	177	124	95	64	41	e39	228	4040
13	86	117	152	171	175	125	91	63	40	e39	165	2710
14	89	120	154	170	171	123	91	62	40	e40	136	1160
15	89	120	156	170	169	123	89	62	37	e41	122	628
16	90	122	158	168	169	124	87	61	37	e46	114	426
17	91	123	159	165	167	123	88	61	36	60	120	334
18	92	124	161	162	163	124	87	63	36	67	102	277
19	89	124	162	161	160	125	86	61	35	64	94	238
20	90	125	161	161	162	125	84	61	36	73	125	205
21	90	127	162	161	161	124	84	60	36	61	130	180
22	92	129	164	162	159	125	81	58	35	86	119	157
23	92	128	165	165	158	123	82	58	34	120	97	142
24	92	130	167	167	153	122	81	57	33	101	87	129
25	90	134	167	165	150	121	82	58	32	112	85	119
26	93	136	167	166	148	120	79	55	30	85	76	110
27	94	136	168	167	145	118	77	55	31	77	72	102
28	96	137	169	166	144	117	79	54	32	232	70	98
29	96	137	169	167		117	78	53	32	191	72	98
30	98	138	168	168		116	78	54	32	219	78	96
31	99		167	169		115		51		181	76	
TOTAL	2796	3579	4779	5187	4644	3922	2775	1947	1172	2291	5142	13065
MEAN	90.19	119.3		67.3	165.9	126.5	92.50	62.81	39.07	73.90	165.9	435.5
MAX	99	138	169	172	178	141	113	77	49	232	589	4040
MIN	83	99	138	161	144	115	77	51	30	31	70	77
MED	90	121	158	167	168	124	88	62	37	46	122	114
AC-FT CFSM	5550 0.01	7100 0.02	9480 1 0.02	0.02	9210 0.02	7780 0.02	5500 0.01	3860 0.01	2320 0.00	4540 0.01	10200	25910 0.06
STATIST	ICS OF M	ONTHLY MEA	N DATA FOR	WATER Y	YEARS 1921	- 2002,	BY WATE	ER YEAR (WY)				
MEAN	387.3	279.5	518.7 7	03.0	747.4	856.2	578.9	302.4	108.0	205.3	501.0	392.6
MAX	7447	2230		3990	5509	3629	2775	2038	716	736	2499	2081
(WY)	1984	1979	1979	1993	1993	1991	1973	1973	1992	1921	1923	1975
MIN	39.9	48.6	60.1	92.8	102	82.3	63.8	37.8	19.7	44.4	66.0	35.9
(WY)	1957	1957	1957	1954	1954	1971	1971	1956	1956	1947	1960	1956
SUMMARY	STATIST	ics	FOR 200	1 CALE	NDAR YEAR	F	OR 2002	WATER YEAR		WATER YEAR	S 1921 ·	- 2002
ANNUAL	TOTAT.		c	4073			51299					
ANNUAL			-	257.7			140.	. 5		464.7		
	ANNUAL	MEAN								2229		1993
LOWEST	ANNUAL M	IEAN								101		1951
HIGHEST	DAILY M	IEAN		1180	Apr 7		4040	Sep 12		90000	Oct :	2 1983
	DAILY ME			74	Jun 25		30	Jun 26		13	Jun 2	5 1956
		MUMINIM Y		75	Jun 25		31	Jun 26		15	Jun 2	2 1956
	RUNOFF (18	86600			101800			336600		
ANNUAL	RUNOFF (CFSM)		0.03	33			.018		0.05	9	
	ENT EXCE			586			171			979		
	ENT EXCE			168			112			177		
90 PERC	ENT EXCE	EDS		89			44			64		

e Estimated

09448500 GILA RIVER AT HEAD OF SAFFORD VALLEY, NEAR SOLOMON, AZ—CONTINUED WATER-QUALITY RECORDS

PERIOD OF RECORD.--Jan. 1976 to Oct. 1981, Oct. 1988 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DEC 06 MAR 20	Time 1205 1225	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300) 11.3	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
MAY													
22 AUG	1150	56	3.0	679	9.1	117	8.4	1350	28.5	21.7	110	240	68.0
22	1205	103	790	685	6.9	96	8.3	1060	33.0	26.8	42	190	57.0
Date	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM AD- SORP- TION RATIO	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)
DEC 06	63.0	14.0	15.0	6.90	4	120	171	197	6	170	1.3	76.0	37
MAR 20	58.0	13.0	15.0	6.70	4	120	150	166	8	190	1.2	76.0	16
MAY 22					5	180			5				
AUG	68.0	16.0	16.0	9.20			128	147		280	1.4	110	14
22	67.0	11.0	17.0	7.40	3	100	146	161	8	170	1.0	57.0	528
Date	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC 06	DIS- SOLVED (TONS PER AC-FT)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	GEN, AMMONIA TOTAL (MG/L AS N)	GEN, AMMONIA TOTAL (MG/L AS NH4)	GEN, NO2+NO3 TOTAL (MG/L AS N)	GEN, TOTAL (MG/L AS N)	GEN, TOTAL (MG/L AS NO3)	PHORUS TOTAL (MG/L AS P)	DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	MTEC MF WATER (COL/ 100 ML)	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
DEC 06 MAR 20	DIS- SOLVED (TONS PER AC-FT) (70303)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, AMMONIA TOTAL (MG/L AS N) (00610)	GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	GEN, TOTAL (MG/L AS N)	GEN, TOTAL (MG/L AS NO3) (71887)	PHORUS TOTAL (MG/L AS P) (00665)	DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	MTEC MF WATER (COL/ 100 ML) (31633)	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC 06 MAR 20 MAY 22	DIS- SOLVED (TONS PER AC-FT) (70303)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, AMMONIA TOTAL (MG/L AS N) (00610)	GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	GEN, TOTAL (MG/L AS N) (00600)	GEN, TOTAL (MG/L AS NO3) (71887)	PHORUS TOTAL (MG/L AS P) (00665)	DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	MTEC MF WATER (COL/ 100 ML) (31633) E10k	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC 06 MAR 20	DIS- SOLVED (TONS PER AC-FT) (70303)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E.20c1	GEN, AMMONIA TOTAL (MG/L AS N) (00610) .02 .03	GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	GEN, TOTAL (MG/L AS N) (00600)	GEN, TOTAL (MG/L AS NO3) (71887)	PHORUS TOTAL (MG/L AS P) (00665) E.06c1	DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	MTEC MF WATER (COL/ 100 ML) (31633) E10k E1k	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) E5k <1k
DEC 06 MAR 20 MAY 22	DIS- SOLVED (TONS PER AC-FT) (70303)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 616 616 788	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 551 554	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E.20cl <.20	GEN, AMMONIA TOTAL (MG/L AS N) (00610) .02 .03 .04	GEN, AMMONIA TOTAL (MG/L AS NH4) (71845) .03 .04	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) .300 <.020	GEN, TOTAL (MG/L AS N) (00600)	GEN, TOTAL (MG/L AS NO3) (71887)	PHORUS TOTAL (MG/L AS P) (00665) E.06c1 <.02	DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340) <5 <5	MTEC MF WATER (COL/ 100 ML) (31633) E10k E1k E3k	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) E5k <1k
DEC 06 MAR 20 MAY 22 AUG 22 Date	DIS- SOLVED (TONS PER AC-FT) (70303) .84 .84 1.07 .77 ANTI- MONY, DIS- SOLVED (UG/L AS SB)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 616 616 788 564 ANTI- MONY, TOTAL (UG/L AS SB)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 551 554 742 528 ARSENIC DIS- SOLVED (UG/L AS AS)	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E.20cl <.20 <.20 .90 ARSENIC TOTAL (UG/L AS AS)	GEN, AMMONIA TOTAL (MG/L AS N) (00610) .02 .03 .04 <.01 BARIUM, DIS- SOLVED (UG/L AS BA)	GEN, AMMONIA TOTAL (MG/L AS NH4) (71845) .03 .04 .05 BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) .300 <.020 <.020 .410 BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	GEN, TOTAL (MG/L AS N) (00600) 1.3 BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	GEN, TOTAL (MG/L AS NO3) (71887) 5.8 BORON, DIS- SOLVED (UG/L AS B)	PHORUS TOTAL (MG/L AS P) (00665) E.06c1 <.02 <.02 .60 BORON, TOTAL RECOV- ERABLE (UG/L AS B)	DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340) <5 <5 6 9 CADMIUM DIS- SOLVED (UG/L AS CD)	MTEC MF WATER (COL/ 100 ML) (31633) E10k E1k E3k E200k CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD)	FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) E5k <1k E4k CHRO-MIUM, DIS-SOLVED (UG/L AS CR)
DEC 06 MAR 20 MAY 22 AUG 22 Date DeC 06 MAR 20	DIS- SOLVED (TONS PER AC-FT) (70303) .84 .84 1.07 .77 ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 616 616 788 564 ANTI- MONY, TOTAL (UG/L AS SB) (01097)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 551 554 742 528 ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E.20cl <.20 .90 ARSENIC TOTAL (UG/L AS AS) (01002)	GEN, AMMONIA TOTAL (MG/L AS N) (00610) .02 .03 .04 <.01 BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	GEN, AMMONIA TOTAL (MG/L AS NH4) (71845) .03 .04 .05 BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) .300 <.020 .410 BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	GEN, TOTAL AS N) (00600) 1.3 BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	GEN, TOTAL (MG/L AS NO3) (71887) 5.8 BORON, DIS- SOLVED (UG/L AS B) (01020)	PHORUS TOTAL (MG/L AS P) (00665) E.06c1 <.02 <.02 .60 BORON, TOTAL RECOV- ERABLE (UG/L AS B) (01022)	DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340) <5 <5 6 9 CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	MTEC MF WATER (COL/ 100 ML) (31633) E10k E1k E3k E200k CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) E5k <1k E4k CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
DEC 06 MAR 20 MAY 22 AUG 22 Date Dec 06 MAR	DIS- SOLVED (TONS PER AC-FT) (70303) .84 .84 1.07 .77 ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 616 616 788 564 ANTI- MONY, TOTAL (UG/L AS SB) (01097)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 551 554 742 528 ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E.20cl <.20 .90 ARSENIC TOTAL (UG/L AS AS) (01002)	GEN, AMMONIA TOTAL (MG/L AS N) (00610) .02 .03 .04 <.01 BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	GEN, AMMONIA TOTAL (MG/L AS NH4) (71845) .03 .04 .05 BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) .300 <.020 .410 BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	GEN, TOTAL (MG/L AS N) (00600) 1.3 BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	GEN, TOTAL (MG/L AS NO3) (71887) 5.8 BORON, DIS- SOLVED (UG/L AS B) (01020)	PHORUS TOTAL (MG/L AS P) (00665) E.06c1 <.02 <.02 .60 BORON, TOTAL RECOV- ERABLE (UG/L AS B) (01022)	DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340) <5 <5 6 9 CADMIUM DIS- SOLVED (UG/L AS CD) (01025) <.5	MTEC MF WATER (COL/ 100 ML) (31633) E10k E1k E3k E200k CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) E5k <1k E4k CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)

09448500 GILA RIVER AT HEAD OF SAFFORD VALLEY, NEAR SOLOMON, AZ—CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

	CHRO-								MANGA-				
	MIUM,		COPPER,		IRON,		LEAD,	MANGA-	NESE,		MERCURY		NICKEL,
	TOTAL	COPPER,	TOTAL	IRON,	TOTAL	LEAD,	TOTAL	NESE,	TOTAL	MERCURY	TOTAL	NICKEL,	TOTAL
	RECOV-	DIS-	RECOV-	DIS-	RECOV-	DIS-	RECOV-	DIS-	RECOV-	DIS-	RECOV-	DIS-	RECOV-
	ERABLE	SOLVED	ERABLE	SOLVED	ERABLE	SOLVED	ERABLE	SOLVED	ERABLE	SOLVED	ERABLE	SOLVED	ERABLE
Date	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L
	AS CR)	AS CU)	AS CU)	AS FE)	AS FE)	AS PB)	AS PB)	AS MN)	AS MN)	AS HG)	AS HG)	AS NI)	AS NI)
	(01034)	(01040)	(01042)	(01046)	(01045)	(01049)	(01051)	(01056)	(01055)	(71890)	(71900)	(01065)	(01067)
	, , , , ,	, ,	, , ,		, ,		,		, ,	,,	, ,		, ,
DEC													
06	1	<2	4	<2	910	<2	<2	3	36	<.10	<.1	<1	2
MAR													
20	<1	<2	3	<2	499	< 2	<2	5	20	<.10	<.1	<1	<1
MAY													
22	<1	<2	<2	<2	203	<2	<2	11	20	<.10	<.1	<1	<1
AUG													
22	8	4	54	2	8420	<2	12	2	457	<.10	<.1	2	16
					STRON-						SEDI-		
	SELE-			SILVER,	TIUM,	THAL-			ZINC,		MENT,		
	NIUM,	SELE-	SILVER,	TOTAL	TOTAL	LIUM,	THAL-	ZINC,	TOTAL	SEDI-	DIS-		
	DIS-	NIUM,	DIS-	RECOV-	RECOV-	DIS-	LIUM,	DIS-	RECOV-	MENT,	CHARGE,		
	SOLVED	TOTAL	SOLVED	ERABLE	ERABLE	SOLVED	TOTAL	SOLVED	ERABLE	SUS-	SUS-		
Date	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	PENDED	PENDED		
	AS SE)	AS SE)	AS AG)	AS AG)	AS SR)	AS TL)	AS TL)	AS ZN)	AS ZN)	(MG/L)	(T/DAY)		
	(01145)	(01147)	(01075)	(01077)	(01082)	(01057)	(01059)	(01090)	(01092)	(80154)	(80155)		
DEC													
06	<1	<1	<1	<1	690	<2	<2	4	4	33	12.4		
MAR													
20	<1	<1	<1	<1	710	<2	<2	7	3	19	6.2		
MAY	_	_	_			_	_		_				
22	<1	<1	<1	<1	880	<2	<2	19	<2	10	1.5		
AUG													
22	<1	<1	<1	<1	740	<2	<2	21	51	579	161		
Remark codes		his repor	t:										
< Less													
	mated valu												
Value qualif			nıs repor	t:									
	laboratory		_										
	ts outside												
1 Samp	le lab pre	paration	problem										

GILA RIVER BASIN

09448500 GILA RIVER AT HEAD OF SAFFORD VALLEY, NEAR SOLOMON, AZ—CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Water-quality measurements in the following table were made as part of the ADEQ Fixed-Station Network Program. The following analyses are quality-assurance samples processed during the 2002 sampling period and are defined in the introductory text section titled "Water-Quality Control Data".

Date	Time	Sample type	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)
MAY 22	1155	2	5.7	1	20.5	.03	<.03	<.1	<.20	<.01	<.020	<.02	<3
	BARIUM,	BERYL- LIUM,	CADMIUM	CHRO- MIUM,	COPPER,	IRON,	LEAD,	MANGA- NESE,	NICKEL,	ZINC,			
	DIS-	DIS-	DIS-	DIS-	DIS-	DIS-	DIS-	DIS-	DIS-	DIS-			
Date	SOLVED	SOLVED (UG/L	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED			
Date	(UG/L AS BA)	AS BE)	(UG/L AS CD)	(UG/L AS CR)	(UG/L AS CU)	(UG/L AS FE)	(UG/L AS PB)	(UG/L AS MN)	(UG/L AS NI)	(UG/L AS ZN)			
	(01005)	(01010)	(01025)	(01030)	(01040)	(01046)	(01049)	(01056)	(01065)	(01090)			
MAY													
22	<.5	<1	<.5	<1	<2	<2	<2	<1	<1	3			
Remark codes	used in t	his repor											

< -- Less than